

ABSTRACT

A sealing method and apparatus is provided for sealing between a rotating shaft and a fixed housing such as found in scraped surface heat exchangers. The sealing apparatus and method includes a sealed cartridge where a gland and a trapped seal ring can be releaseably assembled so that in a fully assembled configuration the gland and the trapped seal ring rotate together and are rotationally connected by a ball trapped between an indentation in the gland and an indentation in the trapped seal ring.